EE/CPRE/SE 491 BI-WEEKLY REPORT 4
February 27, 2020 - March 12, 2020
Group number: 56
Project title: Sound Effect Devices for Musicians
Client &/ Advisor: Dr. Randy Geiger
Team members/role:
      Dalton Sherratt: App programming
      Eric Stablein: Signal processing, meeting facilitator
      Zach Besta: Signal processing, meeting scribe

Period summary

      Over the course of this two-week period, the group continued to work on integrating the various effect modules into the main app. The group also began preparing some demonstration materials for future meetings, tests, and presentations.

Past period accomplishments

Name	Individual contributions	Hours these two weeks	Total hours this semester
Dalton Sherratt	- Finished process of adding MediaPlayer class with tempo and volume control to UI setup - Began implementing color coding functionality - Added a set of pre-recorded samples to the app for a "one-man band" demo	12	48
Eric Stablein	- Mapped pitch shifting class to buttons in app - Continued work on the equalizer class	13	48
Zach Besta	- Finished process of adding MediaPlayer class with tempo and volume control to Dalton's UI setup - Continued process of adding VolumeShaper methods to MediaPlayer classes for envelope functionality - Added a set of pre-recorded samples to the app for a "one-man band" demo	14	49

Plans for the upcoming week
- Dalton
  - Add separate screens for sound editing
  - Begin to program a mode allowing users to record the audio they play using the samplers

- Eric
  - Finalize equalizer class
  - Map equalizer class to user interface components
  - Begin functional testing of application
- Zach
  - Finalize envelope implementation using VolumeShaper
  - Record a "one-man band" demonstration of the app
  - Plan how to handle collaboration during the two-week university closure

Summary of weekly advisor meetings
Meeting 1:
- The group demonstrated the main playback module during this meeting
- Dr. Geiger discussed wanting to see demonstrations of individual effect modules
  - He also wanted to see a demo of the app being used for a "one-man band" purpose if possible

Meeting 2: cancelled due to schedule conflicts